BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name Of Work:Desilting and Re-Setting of drains and Re-Asphalting to Siddeshwara Layout in Bagalagunte ward No 14

EMB

ame of Work: Desilting and resetting of drain and re-asphalting to Siddeshwara layout in Bagalagunte in ward no.14, Dasarahalli sub division

em lo	Pre measurement recorded on:						
	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
I	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.						
	Siddeshwara Layout						
	For CC Drain						
	5 th cross						
	LHS	1	30.00	1.00	0.90	27.00	
		1	2.00	1.00	0.90	1.80	
		1	26.00	1.00	0.90	23.40	
		1	19.20	1.00	0.90	17.28	
		1	12.90	1.00	0.90	11.61	
	RHS (Near SWD)	1	4.90	1.00	0.90	4.41	
	5 th A Cross			1.00			
	LHS	1	30.00	1.00	0.90	27.00	
		1	9.80	1.00	0.90	8.82	
	RHS	1	30.00	1.00	0.90	27.00	
		1	16.95	1.00	0.90	15.26	
	5 th B Cross (LHS)			1.00			
	LHS	1	30.00	1.00	0.90	27.00	
		1	9.55	1.00	0.90	8.60	
	RHS	1	30.00	1.00	0.90	27.00	
		1	9.55	1.00	0.90	8.60	
	5 th B Cross (RHS)			1.00			
	LHS	1	30.00	1.00	0.90	27.00	
		1	18.60	1.00	0.90	16.74	
	RHS	1	30.00	1.00	0.90	27.00	
		1	19.35	1.00	0.90	17.42	
	5 th C Cross (LHS)			1.00			
	LHS	1	30.00	1.00	0.90	27.00	
		1	9.55	1.00	0.90	8.60	
	RHS	1	30.00	1.00	0.90	27.00	
		1	9.25	1.00	0.90	8.33	
	5 th C Cross (RHS)			1.00			
	LHS	1	30.00	1.00	0.90	27.00	
		1	16.00	1.00	0.90	14.40	
	RHS	1	30.00	1.00	0.90	27.00	
		1	11.80	1.00	0.90	10.62	

For Culverts						
Culvert 1	1	6.30	1.50	1.00	9.45	
Culvert 2	1	6.30	1.50	1.00	9.45	
Culvert 3	1	6.30	1.50	1.00	9.45	
Culvert 4	1	6.30	1.50	1.00	9.45	
Desilting of drain						
5 th Cross RHS						
	1	30.00	0.60	0.35	6.30	
	1	30.00	0.60	0.40	7.20	
	1	16.00	0.60	0.40	3.84	
			Total Quantity		528.00	**Cum**
			Payable Quantity		**525.84**	**Cum**

Assistant Engineer
Ward NO-14
BBMP Bangalore

28/06/22 to 29/06/22

Assistant Executive Engineer
Dasara halli Sub division
BBMP Bangalore

Name of Work: Desilting and resetting of drain and re-asphalting to Siddeshwara layout in Bagalagunte in ward no.14, Dasarahalli sub division

Pre measurement recorded on:

m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Providing and laying in position plain cement concrete of mix1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machinery, curing complete as per specifications						
	Siddeshwara Layout						
	For CC Drain						
	5 th cross						
	LHS	1	30.00	1.00	0.15	4.50	
		1	2.00	1.00	0.15	0.30	
		1	26.00	1.00	0.15	3.90	
		1	19.20	1.00	0.15	2.88	
		1	12.90	1.00	0.15	1.94	
	RHS	1	4.90	1.00	0.15	0.74	
	5 th A Cross						
	LHS	1	30.00	1.00	0.15	4.50	
		1	9.80	1.00	0.15	1.47	
	RHS	1	30.00	1.00	0.15	4.50	
		1	16.95	1.00	0.15	2.54	
	5 th B Cross (LHS)						
	LHS	1	30.00	1.00	0.15	4.50	
		1	9.55	1.00	0.15	1.43	
	RHS	1	30.00	1.00	0.15	4.50	
		1	9.55	1.00	0.15	1.43	
	5 th B Cross (RHS)						
	LHS	1	30.00	1.00	0.15	4.50	
		1	19.60	1.00	0.15	2.94	
	RHS	1	30.00	1.00	0.15	4.50	
		1	19.35	1.00	0.15	2.90	
	5 th C Cross (LHS)						
	LHS	1	30.00	1.00	0.15	4.50	
		1	9.25	1.00	0.15	1.39	
	RHS	1	30.00	1.00	0.15	4.50	
		1	9.55	1.00	0.15	1.43	
	5 th C Cross (RHS)			1.00	0.15		
	LHS	1	30.00	1.00	0.15	4.50	
		1	16.00	1.00	0.15	2.40	
	RHS	1	30.00	1.00	0.15	4.50	
		1	11.80	1.00	0.15	1.77	
	For Culverts						
	Culvert 1	1	6.30	1.50	0.15	1.42	
	Culvert 2	1	6.30	1.50	0.15	1.42	

Culvert 3	1	6.30	1.50	0.15	1.42	
Culvert 4	1	6.30	1.50	0.15	1.42	
For Bed of Existing drain RHS From SWD	1	5.50	0.60	0.15	0.50	
	1	19.20	0.60	0.15	1.73	
	1	10.00	0.60	0.15	0.90	
			Total Quantity		87.75	Cum
			Payable Quantity		**87.64**	Cum

Assistant Engineer
Ward NO-14
BBMP Bangalore

29/06/22
to
30/06/22

Assistant Executive Engineer
Dasarahalli Sub division
BBMP Bangalore

Name of Work: Desilting and resetting of drain and re-asphalting to Siddeshwara layout in Bagalagunte in ward no.14, Dasarahalli sub division

Pre measurement recorded on:

m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.						
	Siddeshwara Layout						
	For CC Drain						
	For Raft						
	5 th cross						
	LHS	4	30.00		0.15	18.00	
		4	2.00		0.15	1.20	
		4	26.00		0.15	15.60	
		4	19.20		0.15	11.52	
		4	12.90		0.15	7.74	
	RHS	4	4.90		0.15	2.94	
	5 th A Cross	2			0.15		
	LHS	2	30.00		0.15	9.00	
		2	9.80		0.15	2.94	
	RHS	2	30.00		0.15	9.00	
		2	16.95		0.15	5.09	
	5 th B Cross (LHS)	2			0.15		
	LHS	2	30.00		0.15	9.00	
		2	9.55		0.15	2.87	
	RHS	2	30.00		0.15	9.00	
		2	9.55		0.15	2.87	
	5 th B Cross (RHS)	2			0.15		
	LHS	2	30.00		0.15	9.00	
		2	19.60		0.15	5.88	
	RHS	2	30.00		0.15	9.00	
		2	19.35		0.15	5.81	
	5 th C Cross (LHS)	2			0.15		
	LHS	2	30.00		0.15	9.00	
		2	9.25		0.15	2.78	
	RHS	2	30.00		0.15	9.00	
		2	9.55		0.15	2.87	
	5 th C Cross (RHS)						
	LHS	2	30.00		0.15	9.00	
		2	16.00		0.15	4.80	
	RHS	2	30.00		0.15	9.00	
		2	11.50		0.15	3.45	
	Culvert 1	2	6.30		0.15	1.89	
	Culvert 2	2	6.30		0.15	1.89	
	Culvert 3	2	6.30		0.15	1.89	
	Culvert 4	2	6.30		0.15	1.89	

For Side walls						
5 th cross						
LHS	4	30.00		0.60	72.00	
	4	2.00		0.60	4.80	
	4	26.00		0.60	62.40	
	4	19.20		0.60	46.08	
	4	13.90		0.75	41.70	
RHS	4	4.90		0.90	17.64	
5 th A Cross	2					
LHS	2	30.00		0.60	36.00	
	2	9.80		0.60	11.76	
RHS	2	30.00		0.60	36.00	
	2	16.95		0.60	20.34	
5 th B Cross (LHS)	2					
LHS	2	30.00		0.60	36.00	
	2	9.55		0.60	11.46	
RHS	2	30.00		0.60	36.00	
	2	9.55		0.60	11.46	
5 th B Cross (RHS)	2					
LHS	2	30.00		0.60	36.00	
	2	19.60		0.60	23.52	
RHS	2	30.00		0.60	36.00	
	2	19.35		0.60	23.22	
5 th C Cross (LHS)	2					
LHS	2	30.00		0.60	36.00	
	2	9.25		0.60	11.10	
RHS	2	30.00		0.60	36.00	
	2	9.55		0.60	11.46	
5 th C Cross (RHS)	2					
LHS	2	24.20		0.60	29.04	
	2	12.55		0.30	7.53	
	2	9.80		0.60	11.76	
RHS	2	30.00		0.60	36.00	
	2	11.50		0.60	13.80	
Culvert 1	2	5.60		0.75	8.40	
	2	6.30		0.75	9.45	
Culvert 2	2	5.60		0.75	8.40	
	2	6.30		0.75	9.45	
Culvert 3	2	5.60		0.75	8.40	
	2	6.30		0.75	9.45	
Culvert 4	2	5.60		0.75	8.40	
	2	6.30		0.75	9.45	
			Total Quantity		1010.91	Sqm
			Payable Quantity		**1003.77**	Sqm

Assistant Engineer
Ward NO-14
BBMP Bangalore

01/07/22 to 02/07/22

Assistant Executive Engineer
Dasarahalli Sub Division
BBMP Bangalore

Name of Work: Desilting and resetting of drain and re-asphalting to Siddeshwara layout in Bagalagunte in ward no.14, Dasarahalli sub division

m o	Pre measurement recorded on: / Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6						
	Siddeshwara Layout						
	For Raft						
	5 th cross						
	LHS	1	30.00	0.90	0.15	4.05	
		1	2.00	0.90	0.15	0.27	
		1	26.00	0.90	0.15	3.51	
		1	19.20	0.90	0.15	2.59	
		1	12.90	0.90	0.15	1.74	
	RHS	1	4.90	0.90	0.15	0.66	
	5 th A Cross						
	LHS	1	30.00	0.90	0.15	4.05	
		1	9.80	0.90	0.15	1.32	
	RHS	1	30.00	0.90	0.15	4.05	
		1	16.95	0.90	0.15	2.29	
	5 th B Cross (LHS)				0.15		
	LHS	1	30.00	0.90	0.15	4.05	
		1	9.55	0.90	0.15	1.29	
	RHS	1	30.00	0.90	0.15	4.05	
		1	9.55	0.90	0.15	1.29	
	5 th B Cross (RHS)				0.15		
	LHS	1	30.00	0.90	0.15	4.05	
		1	19.60	0.90	0.15	2.65	
	RHS	1	30.00	0.90	0.15	4.05	
		1	19.35	0.90	0.15	2.61	
	5 th C Cross (LHS)				0.15		
	LHS	1	30.00	0.90	0.15	4.05	
		1	9.25	0.90	0.15	1.25	
	RHS	1	30.00	0.90	0.15	4.05	
		1	9.55	0.90	0.15	1.29	
	5 th C Cross (RHS)				0.15		
	LHS	1	30.00	0.90	0.15	4.05	
		1	16.00	0.90	0.15	2.16	

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Pali
Dasarahalli Division, Bangalore - 560 0

RHS	1	30.00	0.90	0.15	4.05
	1	11.80	0.90	0.15	1.59
Culvert 1	1	6.30	1.40	0.20	1.76
Culvert 2	1	6.30	1.40	0.20	1.76
Culvert 3	1	6.30	1.40	0.20	1.76
Culvert 4	1	6.30	1.40	0.20	1.76
For Side walls					
5 th cross LHS					
LHS	2	30.00	0.15	0.60	5.40
	2	2.00	0.15	0.60	0.36
	2	26.00	0.15	0.60	4.68
	2	19.20	0.15	0.60	3.46
	2	12.90	0.15	0.60	2.32
RHS	2	4.90	0.15	0.90	1.32
5 th A Cross RHS					
LHS	2	30.00	0.15	0.60	5.40
	2	9.80	0.15	0.60	1.76
RHS	2	30.00	0.15	0.60	5.40
	2	16.95	0.15	0.60	3.05
5 th B Cross (LHS)					
LHS	2	30.00	0.15	0.60	5.40
	2	9.55	0.15	0.60	1.72
RHS	2	30.00	0.15	0.60	5.40
	2	9.55	0.15	0.60	1.72
5 th B Cross (RHS)					
LHS	2	30.00	0.15	0.60	5.40
	2	19.60	0.15	0.60	3.53
RHS	2	30.00	0.15	0.60	5.40
	2	19.35	0.15	0.60	3.48
5 th C Cross (LHS)					
LHS	2	30.00	0.15	0.50	4.50
	2	9.25	0.15	0.55	1.53
RHS	2	27.15	0.15	0.60	4.89
	2	12.40	0.15	0.30	1.12
5 th C Cross (RHS)					
LHS	2	24.20	0.15	0.50	3.63
	2	12.00	0.15	0.25	0.90
	2	9.80	0.15	0.60	1.76
RHS	2	30.00	0.15	0.60	5.40
	2	11.50	0.15	0.60	2.07
Culvert 1	1	5.60	0.30	0.75	1.26
	1	6.30	0.30	0.75	1.42
Culvert 2	1	5.60	0.30	0.75	1.26
	1	6.30	0.30	0.75	1.42
Culvert 3	1	5.60	0.30	0.75	1.26
	1	6.30	0.30	0.75	1.42
Culvert 4	1	5.60	0.30	0.75	1.26
	1	6.30	0.30	0.75	1.42

Checked by

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore - 560 057

For Bed of Existing drain RHS	1	5.50	0.60	0.20	0.66	
	1	19.20	0.60	0.20	2.30	
	1	26.00	0.60	0.20	3.12	
	1	33.00	0.60	0.20	3.96	
				Total Quantity	189.87	Cum
				Payable Quantity	189.87	Cum

Assistant Engineer
Ward NO-14
BBMP Bangalore

Assistant Executive Engineer,
Dasarahalli Sub division,
BBMP Bangalore

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of Work: Desilting and resetting of drain and re-asphalting to Siddeshwara layout in Bagalagunte in ward no.14, Dasarahalli sub division

Pre-Measurement Sheet

Premeasurement Recorded on;

First and Fnal

5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications

l no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Unit
			For Drain							
			Siddeshwara Layout							
			5 th Cross LHS							
1	10	1	125mm/CC	9	32.00	288.0	Distributi	0.62	179	
2	10	1	125mm/CC	320	2.2	704.0	Main Bar	0.62	436	
1	10	1	125mm/CC	9	26.30	236.7	Distributi	0.62	147	
2	10	1	125mm/CC	263	2.20	578.6	Main Bar	0.62	359	
1	10	1	125mm/CC	9	20.10	180.9	Distributi	0.62	112	
2	10	1	125mm/CC	201	2.20	442.2	Main Bar	0.62	274	
1	10	1	125mm/CC	9	12.80	115.2	Distributi	0.62	71	
2	10	1	125mm/CC	128	2.20	281.6	Main Bar	0.62	175	
1	10	1	125mm/CC	9	4.90	44.1	Distributi	0.62	27	
2	10	1	125mm/CC	48	2.20	105.6	Main Bar	0.62	65	
			5 th A Cross LHS							
1	10	1	125mm/CC	9	39.40	354.6	Distributi	0.62	220	
2	10	1	125mm/CC	394	2.20	866.8	Main Bar	0.62	537	
			5 th A Cross RHS							
1	10	1	125mm/CC	9	46.00	414.0	Distributi	0.62	257	
2	10	1	125mm/CC	460	2.2	1012.0	Main Bar	0.62	627	
			5 th B Cross (LHS) LHS							
1	10	1	125mm/CC	9	38.80	349.2	Distributi	0.62	217	
2	10	1	125mm/CC	388	2.2	853.6	Main Bar	0.62	529	
			5 th B Cross (LHS) RHS							
1	10	1	125mm/CC	9	38.70	348.3	Distributi	0.62	216	
2	10	1	125mm/CC	387	2.2	851.4	Main Bar	0.62	528	
			5 th B Cross (RHS) LHS							
1	10	1	125mm/CC	9	48.50	436.5	Distributi	0.62	271	
2	10	1	125mm/CC	485	2.2	1067.0	Main Bar	0.62	662	
			5 th B Cross (RHS) RHS							

1	10	1	125mm/CC	9	48.50	436.5	Distributi	0.62	271
2	10	1	125mm/CC	485	2.2	1067.0	Main Bar	0.62	662
	5 th C Cross (LHS) LHS								
1	10	1	125mm/CC	9	39.60	356.4	Distributi	0.62	221
2	10	1	125mm/CC	396	2.2	871.2	Main Bar	0.62	540
	5 th C Cross (LHS) RHS								
1	10	1	125mm/CC	9	39.60	356.4	Distributi	0.62	221
2	10	1	125mm/CC	396	2.2	871.2	Main Bar	0.62	540
	5 th C Cross (RHS) LHS								
1	10	1	125mm/CC	9	46.35	417.2	Distributi	0.62	259
2	10	1	125mm/CC	463	2.2	1018.6	Main Bar	0.62	632
	5 th C Cross (RHS) RHS								
1	10	1	125mm/CC	9	41.50	373.5	Distributi	0.62	232
2	10	1	125mm/CC	415	2.2	913.0	Main Bar	0.62	566
For Culvert									
Siddeshwara Layout									
Culvert-1									
1	12	1	150mm/CC	20	5.60	112.0	Distributi	0.89	100
2	12	1	150mm C/c	110	2.4	264.0	Main Bar	0.89	235
Culvert-2									
1	12	1	150mm/CC	20	5.60	112.0	Distributi	0.89	100
2	12	1	150mm C/c	110	2.4	264.0	Main Bar	0.89	235
Culvert-3									
1	12	1	150mm/CC	20	5.60	112.0	Distributi	0.89	100
2	12	1	150mm C/c	110	2.4	264.0	Main Bar	0.89	235
Culvert-4									
1	12	1	150mm/CC	20	5.60	112.0	Distributi	0.89	100
2	12	1	150mm C/c	110	2.4	264.0	Main Bar	0.89	235
Total Quantity of Steel in Kg's									11389.5 Kgs
Total Quantity of Steel in Tonne's									11.39 Tonnes

Asst Engineer
Ward No;14

29/06/22
&
30/06/22

Assistant Executive Engineer
Dasarahalli Sub Division

Name of Work: Desilting and resetting of drain and re-asphalting to Siddeshwara layout in Bagalagunte in ward no.14, Dasarahalli sub division

	Pre measurement recorded on:						
m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Providing and and fixing Precast Concrete slab 10 CM thick witth all lead and lift as per specification						
	Siddeshwara Layout						
	For CC Drain						
	5 th cross						
	LHS	1	30.00	0.75		22.50	
		1	2.00	0.75		1.50	
		1	13.10	0.75		9.83	
		1	19.20	0.75		14.40	
	RHS	1	10.50	0.90		9.45	
		1	6.80	0.90		6.12	
		1	13.00	0.90		11.70	
		1	16.70	0.90		15.03	
		1	3.00	0.90		2.70	
		1	9.25	0.90		8.33	
		1	6.00	0.90		5.40	
	5 th A Cross LHS						
	RHS	1	39.80	0.75		29.85	
	5 th A Cross RHS						
	LHS	1	46.95	0.75		35.21	
	5 th B Cross (LHS)						
	LHS	1	30.00	0.75		22.50	
		1	9.55	0.75		7.16	
	RHS	1	30.00	0.75		22.50	
		1	9.55	0.75		7.16	
	5 th B Cross (RHS)						
	LHS	1	30.00	0.75		22.50	
		1	19.60	0.75		14.70	
	RHS	1	30.00	0.75		22.50	
		1	19.35	0.75		14.51	
	5 th C Cross (LHS)						
	LHS	1	30.00	0.75		22.50	

		1	9.25	0.75		6.94	
	RHS	1	30.00	0.75		22.50	
		1	9.55	0.75		7.16	
5 th C Cross (RHS)							
	LHS	1	30.00	0.75		22.50	
		1	16.00	0.75		12.00	
	RHS	1	30.00	0.75		22.50	
		1	11.80	0.75		8.85	
		1	2.50	0.90		2.25	
For Culverts							
	Culvert 1	2	5.60	1.20		13.44	
	Culvert 2	2	5.60	1.20		13.44	
	Culvert 3	2	5.60	1.20		13.44	
	Culvert 4	2	5.60	1.20		13.44	
				Total Quantity		486.51	
				Payable Quantity		**486.51**	Sqm

30/03/22

Assistant Engineer
Ward NO-14
BBMP Bangalore

Asst. Executive Engineer,
Dasarahalli Sub division
BBMP Bangalore
560073

EXECUTIVE ENGINEER
Brunat Bangalore Mahanagara Pa
Dasarahalli Division, Bangalore - 560

Name of Work: Desilting and resetting of drain and re-asphalting to Siddeshwara layout in Bagalagunte in ward no.14, Dasarahalli sub division

	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	Transportation &disposing of the excavated earth obtained from side drains and high burms on either side of the road						
	Siddeshwara Layout						
	Quantity Vide item No 1				Total Qty	525.84	Cum
					Payable Qty	525.84	Cum

Assistant Engineer 30/07/22
Ward NO-14
BBMP Bangalore

Asst.Executive Engineer
Dasara halli Sub division
BBMP Bangalore